

1381-254

2/11/2014

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

February 11, 2014

Winfield Solutions, LLC
P.O. Box 64589, MS 5705
St. Paul, MN 55164-0589
Attn: Danielle Erding

Subject: Notification – Alternate Brand Name, per PR Notice 98-10.
EPA Registration No: **1381-254**.
Product Name: **MK-3**.
Alternate Brand Name: **Ascend WSG**.
Your Submission dated January 23, 2014.

Dear Ms. Erding:

The Biopesticides and Pollution Prevention Division is in receipt of your application for Notification under Pesticide Registration Notice (PRN) 98-10 dated above. A screen of this request has been conducted for its applicability under PRN 98-10, and it has been determined that the actions requested fall within the scope of this Notice. Our records have been duly noted, and the label submitted with this application has been stamped "Notification Accepted" and will be placed accordingly in our records.

Three (3) copies of final printed labeling must be submitted to the Agency before your product as modified, may be sold or distributed [PR Notice 82-2 and 40 CFR 156.10(a) (6)].

If you have any questions regarding this action, you may contact Mr. Sylvester George at (703) 603-0688 or via e-mail at george.sylvester@epa.gov.

Sincerely,

Linda A. Hollis

Linda A. Hollis, Chief
Biochemical Pesticide Branch
Biopesticides and Pollution
Prevention Division (7511P)

EPA	United States Environmental Protection Agency Washington, DC 20460	<input type="checkbox"/> Registration <input type="checkbox"/> Amendment <input checked="" type="checkbox"/> Other	OPP Identifier Number
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Application for Pesticide -Section I

1. Company/Product Number 1381-254	2. EPA-Product Manager L. Hollis	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) Mk-3	PM# BPPD	
5. Name and Address of Applicant (Include ZIP Code) Winfield Solutions LLC, c/o Danielle Erding P.O. Box 64589, MS 5705 St. Paul, MN 55164-0589 <input type="checkbox"/> Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3)(b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No.: Product Name:	

Section II

<input type="checkbox"/> Amendment - Explain Below	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application
<input checked="" type="checkbox"/> Notification - Explain below	<input type="checkbox"/> Other - explain below

Explanation: Use additional page(s) if necessary. (For Section I and Section II).

Notification alternate brand name Ascend WSG, per PR Notice 98-10. I believe this notification is consistent with the provisions of PR Notice 98-10 and EPA regulations at 40 CFR 152.46, and no other changes have been made to the labeling or the confidential statement of formula of this product. I understand that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statement to EPA. I further understand that if this notification is not consistent with the terms of PR Notice 98-10 and 40 CFR 152.46, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under section 12 and 14 of FIFRA.

Section III

1. Material This Product Will Be Packaged In:			
Child-Resistant Packaging <input type="checkbox"/> Yes* <input checked="" type="checkbox"/> No <small>*Certification must be submitted.</small>	Unit Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If "Yes," Unit Package Wt. No. Per Container	Water Soluble Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If "Yes," Package Wt. No. Per Container	2. Type of Container <input type="checkbox"/> Metal <input checked="" type="checkbox"/> Plastic <input type="checkbox"/> Glass <input type="checkbox"/> Paper <input type="checkbox"/> Other (Specify) _____
3. Location of Net Contents Information <input checked="" type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) of Retail Container 1, 2, 5 lb.	5. Location of Label Directions <input checked="" type="checkbox"/> On Label <input type="checkbox"/> On Labeling accompanying product
6. Manner In Which Label Is Affixed To Product <input type="checkbox"/> Lithograph <input checked="" type="checkbox"/> Other (self-adhesive booklet) <input checked="" type="checkbox"/> Paper Glued <input checked="" type="checkbox"/> Stenciled			

Section IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)		
Name Danielle Erding	Title Registration Specialist	Telephone No. (Include Area Code) 651-375-7228
Certification I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.		6. Date Application Received (Stamped)
2. Signature 	3. Title Registration Specialist	
4. Typed Name Danielle Erding	5. Date January 23, 2014	

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Ascend WSG

PLANT GROWTH REGULATOR

Hormone compounds to stimulate plant growth.

ACTIVE INGREDIENTS

Cytokinin, as Kinetin	0.76%
Gibberellic Acid	0.25%
Indole-3-butyric Acid.....	0.37%

OTHER INGREDIENTS.....	98.62%
TOTAL	100.00%

KEEP OUT OF REACH OF CHILDREN

See Back Panel [Inside Booklet] for Additional Precautionary Statements

EPA Reg. No. 1381-254

Distributed by:
WINFIELD SOLUTIONS, LLC,
P.O. Box 64589, St. Paul, MN 55164

EPA Est. No. 30578-TX-001
NET CONTENTS: 1 lb. [2 lbs., 5 lbs.]

1/0116/4

Lot No. _____

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PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

Personal Protective Equipment:

Mixers, loaders, applicators and other handlers must wear: _____

- long-sleeved shirt and long pants,
- shoes plus socks.

Follow the manufacturer's instructions for cleaning and maintaining PPE. If no instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

USER SAFETY RECOMMENDATIONS

Users should:

- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS

For terrestrial uses: Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water by cleaning of equipment or disposal of equipment washwater or rinsate.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the State or Tribal agency responsible for pesticide regulation.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This standard contains requirements for the protection of workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment and restricted-entry intervals. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 48 hours unless wearing appropriate PPE.

EXCEPTION: If the product is soil-incorporated, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area if there will be no contact with anything that has been treated.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated such as plants, soil, or water, is:

- coveralls over long-sleeved shirt and long pants,
- chemical-resistant gloves, and
- shoes plus socks.

CHEMIGATION INFORMATION

Apply this product only through sprinkler including center pivot, lateral move, side (wheel) roll, traveler, big gun, solid set, hand move, or furrow irrigation systems. Do not apply this product through any other type of irrigation system.

Crop injury, lack of effectiveness, or illegal pesticide residues in the crop can result from non-uniform distribution of treated water.

If you have questions about calibration, you should contact State Extension Service specialists, equipment manufacturers or other experts.

Do not connect an irrigation system (including greenhouse systems) used for pesticide application to a public water system unless the pesticide label prescribed safety devices for public water systems are in place.

A person knowledgeable of the chemigation system and responsible for its operation, or under supervision of the responsible person, shall shut the system down and make necessary adjustments should the need arise.

Maintain agitation in the supply tank while adding the required amount of Ascend WSG, and throughout the application. Ascend WSG should be added to the supply tank at the end of water application (prior to last complete cycle in moving systems).

The correct amount of Ascend WSG to add is calculated as the rate in ounces per acre x the number of acres covered by the contents of the supply tank.

(For example, if the supply tank covers ten acres and the rate on the label for that crop is 0.2 ounces per acre, add $10 \times 0.2 = 2.0$ ounces to the supply tank at the beginning of the last full cycle).

CHEMIGATION SYSTEMS CONNECTED TO PUBLIC WATER SYSTEMS

Public water system means a system for the provision to the public of piped water for human consumption if such system has at least 15 service connections or regularly serves an average of at least 25 individuals daily at least 60 days out of the year.

Chemigation systems connected to public water systems must contain a functional, reduced-pressure zone, backflow preventer (RPZ) or the functional equivalent in the water supply line upstream from the point of pesticide introduction. As an option to the RPZ, the water from the public water system should be discharged into a reservoir tank prior to pesticide introduction. There shall be a complete physical break (air gap) between the outlet end of the fill pipe and the top or overflow rim of the reservoir tank of at least twice the inside diameter of the fill pipe.

The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.

The pesticide injection pipeline must contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.

The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the pump motor stops, or in cases where there is no water pump, when the water pressure decreases to the point where pesticide distribution is adversely affected.

Systems must use a metering pump, such as a positive displacement injection pump (e.g. diaphragm pump) effectively designed and constructed of materials that are compatible with the pesticides and capable of being fitted with a system interlock.

Do not apply when wind speed favors drift beyond the area intended for treatment.

The pesticide supply tank should be agitated throughout the application of Ascend WSG. Ascend WSG should be applied at the end of the water application.

Ascend WSG should be applied at the end of the irrigation period in a sufficient amount of water to allow proper coverage of plant or crop but not to exceed 18 fluid ounces of Ascend WSG per acre per application.

IN-FURROW CHEMIGATION

1. Systems using a gravity flow pesticide dispensing system must meter the pesticide into the water at the head of the field and downstream of a hydraulic discontinuity such as a drop structure or weir box to decrease potential for water source contamination from backflow if water flow stops.

2. Systems utilizing a pressurized water and pesticide injection system must meet the following requirements:

a. The system must contain a functional check valve, vacuum relief valve, and low pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow.

b. The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.

c. The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.

d. The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.

e. The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.

f. Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.

Maintain agitation in the supply tank while adding the required amount of Ascend WSG and throughout the application. Ascend WSG should be added to the supply tank at the end of water application (prior to last complete cycle in moving systems).

The correct amount of Ascend WSG to add is calculated as the rate in ounces per acre x the number of acres covered by the contents of the supply tank.

(For example, if the supply tank covers ten acres and the rate on the label for that crop is 0.2 ounces per acre, add $10 \times 0.2 = 2.0$ ounces to the supply tank at the beginning of the last full cycle).

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SPRINKLER CHEMIGATION

The system must contain a functional check valve, vacuum relief valve, and low pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow.

The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.

The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.

The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.

The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to a point where pesticide distribution is adversely affected.

Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with a system interlock.

Do not apply when wind speed favors drift beyond the area intended for treatment.

Maintain agitation in the supply tank while adding the required amount of Ascend WSG, and throughout the application. Ascend WSG should be added to the supply tank at the end of water application (prior to last complete cycle in moving systems).

The correct amount of Ascend WSG to add is calculated as the rate in ounces per acre x the number of acres covered by the contents of the supply tank.

(For example, if the supply tank covers ten acres and the rate on the label for that crop is 0.2 ounces per acre, add $10 \times 0.2 = 2.0$ ounces to the supply tank at the beginning of the last full cycle).

Ascend WSG should be applied at the end of the irrigation period in a sufficient amount of water to allow proper coverage of plant or crop but not to exceed 2.4 ounces of Ascend WSG per acre per application.

APPLICATION INFORMATION

IMPORTANT: Read the entire "Directions for Use" and the "Notice" before using this product. If terms are not acceptable, return the unopened product container at once.

Apply Ascend WSG by ground or air. If applied by air, use 3 to 5 gallons of water per acre. If applied by ground on vegetable or field crops, use 5 to 25 gallons of water per acre.

Test results have shown that this product can stimulate higher yields through a larger root mass, earlier fruiting and increased fruit retention. Ascend WSG is a tool to increase plant efficiency.

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SPRAY PROGRAM FOR VEGETABLE CROPS

SWEET CORN AND POPCORN: Apply one, two, or all of the following applications.

Apply 0.6 to 0.8 ounces per acre in-furrow or alternatively 2 inches beside and 2 inches below seed or alternatively 3 inches below the seed with a strip till machine at planting.

AND/OR

Apply 0.4 ounces per acre when the plants are in the 4-6 leaf stage.

AND/OR

Apply 0.4 ounces per acre at the 8-10 leaf stage.

SPRAY PROGRAM FOR FIELD CROPS

COTTON - Non-Transgenic Varieties: Apply Ascend WSG according to *one* of the following schedules.

Schedule A:

1st Application - Apply 0.4 ounces per acre in-furrow or alternatively 2 inches beside and 2 inches below seed or alternatively 3 inches below the seed with a strip till machine at planting.

2nd Application - Apply 0.4 ounces per acre at pinhead square. This can be applied in a tank mix that contains 4 fluid ounces per acre of Mepex® Plant Regulator brand of mepiquat chloride¹⁾.

3rd Application - Apply 0.5 ounces per acre at early bloom.

Schedule B:

1st Application - Apply 0.3 ounces per acre on a band at the 3-7 leaf stage.

2nd Application - Apply 0.4 ounces per acre at the pinhead square stage. This can be applied in a tank mix that contains 4 fluid ounces per acre of Mepex® Plant Regulator brand of mepiquat chloride¹⁾.

3rd Application - Apply 0.4 ounces per acre at early bloom.

COTTON - Transgenic Varieties:

(Cotton varieties that have been genetically manipulated to have insect-resistance and/or herbicide-resistance built in.)

1st Application - Apply 0.4 ounces per acre in-furrow or alternatively 2 inches beside and 2 inches below seed or alternatively 3 inches below the seed with a strip till machine at planting.

2nd Application - Apply 0.5 ounces per acre at pinhead square. This can be applied in a tank mix that contains 4 fluid ounces per acre of Mepex® Plant Regulator brand of mepiquat chloride¹⁾.

3rd Application – Repeat the above application at first bloom. If needed for vegetative growth control, repeat the above application at mid-bloom.

Higher rates and/or late season applications may be warranted under high stress conditions where square and/or boll retention is needed. During the bloom and post-bloom period, additional applications or higher rates can be applied but do not exceed a total of 3.25 ounces per acre per season.

1) TANK MIXING INFORMATION – Ascend WSG and Mepex

Perform a Compatibility Test for Mix Components before preparing a tank mix application. Read and follow the applicable Restrictions and Limitations and Directions For Use on all products involved in tank mixing. The most restrictive labeling applies to tank mixes.

Compatibility Test

Add components to a jar in the following sequence, using 1/16 teaspoon of Ascend WSG and 1/2 teaspoon of Mepex.

- 1) Water: For 20 gallons per acre spray volume use 3.3 cups (800 ml) of water. For other spray volumes, adjust rates accordingly. Use only water from the intended source at the source temperature.
- 2) Ascend WSG, then Mepex: Cap the jar and invert 10 cycles.
- 3) Let the solution stand for 15 minutes.
- 4) Evaluate the solution for uniformity and stability. The spray solution should not have free oil on the surface, nor fine particles that precipitate to the bottom, nor thick (clabbered) texture. Do not use any spray solution that could clog spray nozzles.

Tank Mixing Order

- 1) Water: Begin by agitating a thoroughly clean sprayer tank half full of the required amount of clean water.
 - 2) Ascend WSG, then Mepex
 - 3) Remaining quantity of water
- Only moderate agitation should be used while mixing and transporting.

FIELD CORN*: Apply one, two or all of the following applications.

Apply 0.6 to 0.8 ounces per acre in-furrow or alternatively 2 inches beside and 2 inches below seed or alternatively 3 inches below the seed with a strip till machine at planting.

AND/OR

Apply 0.8 to 1.3 ounces per acre at the 3 to 10 leaf stage.

AND/OR

Apply 0.8 ounces per acre between initial silking and brown silk.

*For field corn grown for seed, apply 0.6 to 0.8 ounces per acre in-furrow or alternatively 2 inches beside and 2 inches below seed or alternatively 3 inches below the seed with a strip till machine at planting.



SOYBEANS: Apply according to *one* of the following schedules.

Schedule A:

Apply 0.4 ounces per acre at the 3-5 trifoliate leaf stage. Apply a second application of 0.4 ounces between R1 and R3.

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Schedule B:

Apply 0.8 ounces per acre between R1 and R3.

WHEAT: Apply according to *one* of the following schedules.

Schedule A:

Apply 0.6 to 0.8 ounces per acre in-furrow at planting.

Schedule B:

Apply 0.4 ounces per acre prior to jointing. Apply 0.4 ounces at the flag leaf stage.

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal.

Pesticide Storage: Protect from freezing. Store out of direct sunlight.

Pesticide Disposal: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

Container Handling: Nonrefillable container. Do not reuse or refill this container. Completely empty container into application equipment. Then offer for recycling if available or dispose of empty container in a sanitary landfill or by incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

**FOR CHEMICAL EMERGENCY: Spill, leak, fire, exposure or accident, call
CHEMTREC 1-800-424-9300.**

WARRANTY DISCLAIMER

The directions for use of this product must be followed carefully. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, (1) THE GOODS DELIVERED TO YOU ARE FURNISHED "AS IS" BY MANUFACTURER OR SELLER AND (2) MANUFACTURER AND SELLER MAKE NO WARRANTIES, GUARANTEES, OR REPRESENTATIONS OF ANY KIND TO BUYER OR USER, EITHER EXPRESS OR IMPLIED, OR BY USAGE OF TRADE, STATUTORY OR OTHERWISE, WITH REGARD TO THE PRODUCT SOLD, INCLUDING, BUT NOT LIMITED TO MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, USE, OR ELIGIBILITY OF THE PRODUCT FOR ANY PARTICULAR TRADE USAGE. UNINTENDED CONSEQUENCES, INCLUDING BUT NOT LIMITED TO INEFFECTIVENESS, MAY RESULT BECAUSE OF SUCH FACTORS AS THE PRESENCE OR ABSENCE OF OTHER MATERIALS USED IN COMBINATION WITH THE GOODS, OR THE MANNER OF USE OR APPLICATION, INCLUDING WEATHER, ALL OF WHICH ARE BEYOND THE CONTROL OF MANUFACTURER OR SELLER AND ASSUMED BY BUYER OR USER. THIS WRITING CONTAINS ALL OF THE REPRESENTATIONS AND AGREEMENTS BETWEEN BUYER, MANUFACTURER AND SELLER, AND NO PERSON OR AGENT OF MANUFACTURER OR SELLER HAS ANY AUTHORITY TO MAKE ANY REPRESENTATION OR WARRANTY OR AGREEMENT RELATING IN ANY WAY TO THESE GOODS.

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If you do not agree with or do not accept any of directions for use, the warranty disclaimers, or limitations on liability, do not use the product, and return it unopened to the Seller, and the purchase price will be refunded.

Mepex is a registered trademark of Nufarm Americas Inc.

